

# TECHNICAL DATA SHEET

Date of Issue: 2018/03/07

## Lithium Phosphate, technical grade

CAS-No.	10377-52-3
EC-No.	233-823-0
REACH No.	01-2120747296-47
Molecular Formula	Li <sub>3</sub> PO <sub>4</sub>
Product Number	401408

**APPLICATION** Additive for manufacturing special glasses and enamels; additive in the building material industry; stabilizer for polyurethane.

### SPECIFICATION

Lithium Phosphate Hemihydrate	Li <sub>3</sub> PO <sub>4</sub> * 0.5 H <sub>2</sub> O
Li <sub>3</sub> PO <sub>4</sub>	min. 91 %
Na	max. 0.5 %
K	max. 0.01 %
Ca	max. 0,02 %
Al	max. 0.02 %
Fe	max. 0.006 %
TIC	max. 0.05 %
SO <sub>4</sub>	max. 0.01 %
Cl	max. 0.01 %

### PHYSICAL PROPERTIES

Appearance	Crystalline powder
Color	white

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Technical data sheets may change frequently. You can download the latest version from our website [www.albemarle-lithium.com](http://www.albemarle-lithium.com). Please contact us at [www.albemarle-lithium.com/contact](http://www.albemarle-lithium.com/contact) with questions.



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Melting point/ range	ca. 1,205 °C
Density	2.5 g/cm <sup>3</sup> at 20 °C
Bulk density	890 kg/m <sup>3</sup>
Water solubility	0.3 g/L at 25 °C (Information taken from reference works and the literature.)

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## HANDLING & STORAGE

Handling Observe official safety regulations (see our Safety Data Sheet).

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## TRANSPORT & PACKAGING

ADR

Not regulated as a dangerous good

Hazard pictograms



Signal Word Warning

H&amp;P Phrases See Safety Data Sheet

Labelling The labelling is according to EU-GHS classification ((EG) 1272/2008) and may vary in other countries. Please refer to the respective Safety Data Sheet for your country.

Packaging

Packaging on request.

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## OTHER INFORMATION

Further Related Documents Safety Data Sheet

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